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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 08/777,246 | 12/31/1996 | KAZUOMI OISHI | 35.G1868 | 3060 |

5514 7590 07/31/2002

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EXAMINER

SONG, HOSUK

| ART UNIT | PAPER NUMBER |
|----------|--------------|
|----------|--------------|

2131

DATE MAILED: 07/31/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.
08/777,246

Applicant(s)
OISHI

Examiner
HO S. SONG

Art Unit
2131



-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136 (a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on May 6, 2002.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 and 26-30 is/are pending in the application.
- 4a) Of the above, claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-20 and 26-30 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claims _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

*See the attached detailed Office action for a list of the certified copies not received.

- 14) ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).
a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892) 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s). _____ 6) ☐ Other: _____

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DETAILED ACTION

Continued Prosecution Application

1. The request filed on 5/6/02 for a Continued Prosecution Application (CPA) under 37 CFR 1.53(d) based on parent Application No. 08/777,246 is acceptable and a CPA has been established. An action on the CPA follows.

Claim Rejections - 35 USC § 102

(e) the invention was described in-

(1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effect under this subsection of a national application published under section 122(b) only if the international application designating the United States was published under Article 21(2)(a) of such treaty in the English language; or

(2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that a patent shall not be deemed filed in the United States for the purposes of this subsection based on the filing of an international application filed under the treaty defined in section 351(a).

2. Claims 1-17,26-30 are rejected under 35 U.S.C. 102(e) as being anticipated by Moghadam et al.(US 5,801,856).

In claims 1,2,28,30, Moghadam discloses inputting information and receiving secret key information and software for generating a digital signature from an external device in (fig.1 and

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col.4,lines 33-35,50-56). Secret key being the secret key (DES) of a person using the information input device is disclosed by Moghadam in (col.4,lines 35-36). Generating a digital signature and encrypting first information based upon secret key is disclosed by Moghadam in (col.4,lines 35-40, 43-49). Outputting first information containing the digital signature and output information is provided with digital signature of the person who uses the information input device in (fig.1,3).

Claim 10 is rejected based on claims 1-2.

In claims 3,11, Moghadam teaches generating a digital signature carries out an operation and outputs digital signature in(col.4,lines 49-54).

In claim 4 and 12, Moghadam teaches public key cryptography operation in (col.4, lines 49-50).

Claims 6-7 differs from above claims 1-2 in that in claim 6 information is compressed by compressing means. Compression mean is taught by Moghadam in (fig.3,#40).

In claim 8, Moghadam discloses generating carries out an operation and outputs distinguishing information in (fig.3 #42,44).

In claims 5,9,13,17, Moghadam teaches using a RSA cryptosystem to obtain a digital signature in (col.4,lines 49-56).

As per claim 14, see claims 1,2,28,40 above.

As per claim 15, Moghadam teaches public key cryptography operation in (col.4,lines 49-50).

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As per claim 16, Moghadam discloses secret key (DES) in (col.4,lines 35-40).

In claims 26-27 see claim rejection 1-2 above.

In claims 29, Moghadam discloses mobile terminal device in (col.4,lines 12-17).

Claim Rejections - 35 USC § 103

3 The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4 Claims 18-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Moghadam (US 5,801,856).

In claims 18-20, see claims rejection 6-7 above, for discussion of compression techniques in general, further, the examiner asserts that applicant uses well known forms of compression techniques for video/audio data. One skilled in the art would have been motivated to use one of these well known techniques in order to reduce the size of files so that transmission will be faster and reduces storage capacity.

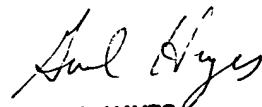
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5 Any inquiry concerning this communication should be directed to Ho S. Song at telephone number (703)305-0042. The examiner can normally be reached on Tuesday through Friday from 6:00 a.m to 4:00 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gail Hayes, can be reached on (703) 305-9711.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist, whose telephone number is (703) 305-3900.

Ho Song


GAIL HAYES
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100